

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT Duval County FL BEC Borrow Area A				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION CB-DUC04-17		LOCATION COORDINATES X = 417,359 Y = 2,185,695		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27			
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES 4		DISTURBED 0			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A		7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING 04-16-04		STARTED 04-16-04			
8. TOTAL DEPTH OF BORING 19.8 Ft.				16. ELEVATION TOP OF BORING -53.6 Ft.		17. TOTAL RECOVERY FOR BORING 100 %			
				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-53.6	0.0		SAND, poorly-graded, mostly subangular fine-grained sand-sized quartz, trace silt, trace angular sand to gravel-sized shell up to 1", strong reaction with HCl, wet, occasional layers of clay up to 3", 10B 7/1 light bluish gray (SP)	100			-53.6		
				100	1		-54.6		
							-55.6		
				100			Vibrocure		
							-60.6		
-61.0	7.4		SAND, silty, mostly fine-grained sand-sized quartz, few silt, trace angular fine to coarse gravel-sized shell up to 1", wet, 5PB 4/1 dark bluish gray (SM)	100	2		-61.6		
				100			Vibrocure		
-63.6	10.0		CLAY, lean, medium plasticity, hard, few silt, few sand, weak cementation, 2.5Y 4/1 dark gray (CL)						
-64.9	11.3		SAND, poorly-graded, mostly fine-grained sand-sized quartz, few silt, trace angular fine to coarse gravel-sized shell up to 1", wet, 5PB 8/1 light bluish gray (SP)	100	3		-65.1		
				100			-66.1		
				100			-67.6		
				100	4		-68.6		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
PROJECT Duval County FL BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																		
LOCATION COORDINATES X = 417,359 Y = 2,185,695			ELEVATION TOP OF BORING -53.6 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-73.4	19.8		At El. -69.6 Ft., weak reaction with HCl, wet, weak cementation, 5B 4/1 dark bluish gray	100			Vibracore																	
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.0/2.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>7.0/8.0</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>11.5/12.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>14.0/15.0</td> <td>SP*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>2 Specific Gravity</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SP*	2	7.0/8.0	SM*	3	11.5/12.5	SP*	4	14.0/15.0	SP*						
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